



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
SUPERFUND SITE STRATEGY RECOMMENDATION - REGION 06



Site Name: ARMCO, Inc. - Houston Works

CERCLIS ID#: TXD000802942

Alias Site Names: Greens Port Industrial Park

Address: 13100 Industrial Blvd.

City/County or Parish/State/Zip Code: Houston, Harris County, Texas 77215

Report Type, Date, and Author: Expanded Site Inspection and PREScore, July 1997, TNRCC

RECOMMENDATION:

☒ 1. No Further Remedial Action Planned
under Superfund (NFRAP)

☐ 2. Further Investigation Needed Under Superfund

☐ PA

☐ HRS

Priority: ☐ High

☐ SSI

☐ RA

☐ Medium

☐ ESI

☐ RI/FS

☐ Low

☐ Other: _____

To be performed by: _____

☐ 3. Action Deferred to:

☐ RCRA

☐ NRC

NOTIFY AUTHORITY:

☐ Removal

☐ RCRA

☐ TSCA

☐ CAA

☐ SMCRA

☐ Remedial

☐ State

☐ NPDES

☐ NRC

☐ Resource Trustee: _____

☐ CERCLA Enforcement

☐ Federal Facility

☐ UIC

☐ SPCC

☐ Other: _____

SEND SSSR COPIES TO:

☒ 6SF-AC

☐ 6WQ-SP

☐ ATSDR

☒ State Agency

DISCUSSION: An Expanded Site Inspection (ESI) report, and a PREScore, version 4.0, report, were completed by the State, the Texas Natural Resource Conservation Commission (TNRCC), in 1997 for the above site. According to the PREScore, the ground water migration pathway was identified as a major concern that could elevate a score.

With no observed releases being established the assessment assigned a likelihood release factor of 360 to the Chicot/Evangeline Aquifer.

The net precipitation factor value was assigned 10 points. According to the Hazard Ranking System (HRS) Figure 3-2, Houston falls in an area where a value of 3 points is more appropriate.

The PREScore considered a 100 foot thick layer of sand and silt, as the layer with the lowest conductivity, to assign a value of 0.0001 cm/sec. At the same time, the depth to aquifer was reported as 998 feet. Other materials such as silts, have conductivity values of 0.00001, and clays, have conductivity values of 0.00000001 cm/sec. The PREScore does not document the particular layer considered, but there are layers with material with a lower conductivity. Using these layers will further reduce the likelihood of release and the Travel Time Factor Value.



Site Name: ARMCO, Inc. - Houston Works

CERCLIS ID #: TXD-000-802-942

DISCUSSION continuation: The SSI report indicates that well records within a four mile radius of the site, have a depth in the 215 to 417 foot range. Two on-site drinking water wells were sampled during the SSI and no releases of hazardous substances were documented. Further information such as well logs were not found, therefore a true depth to aquifer or the geologic characteristics of overlying layers can not be established from current data.

Target populations for the ground water migration pathway were calculated using information from a TNRCC Water Utilities Division computer printout. This database reports populations as "estimated populations served by a PWS system", not individual populations assigned to each well. Further evaluation of targets according to the HRS guidance will require an apportioning of PWS system populations for each well and this will further reduce the number of targets subject to potential contamination.

The lower net precipitation values, overlaying layers of lower hydraulic conductivity and lower targets subject to potential contamination suggest this site is not a candidate to be proposed to the NPL.

ARMCO, Inc. - Houston Works, was a site entered in CERCLIS in 1981. A Preliminary Assessment (PA) and a Site Inspection (SI) were completed by the State in 1983 and 1984. The site was designated for further evaluation in the form of a site inspection prioritize according to the revised or new HRS in February of 1991. This evaluation took the form of the ESI and PREScore submitted by the State in July 1997.

A decision of "No Further Remedial Action Planned" (NFRAP) under Superfund will be entered in CERCLIS, and the site will be referred to the State.

Based upon currently available information, this site fails to meet the minimum criteria required to be included, or proposed, at this time on the NPL by the EPA. The NPL is EPA's list of sites that are priorities for further investigation and, if necessary, response action under CERCLA, 42 USC 960001, et seq. Other actions maybe appropriate under State Authorities.

APPROVALS:

Report Reviewed by: Bartolome J. Cañellas
(NPL Coordinator 6SF-RA)

Signature: Bart Cañellas Date: 4/24/98

Disposition Recommended by: Susan Webster
(Team Leader 6SF-RA)

Signature: Susan Webster Date: 4/24/98

Disposition Recommended by: Ragan Broyles
(Section Chief 6SF-RR)

Signature: Susan Webster Date: 4/24/98

Disposition Approved by: Charles A. Gazda
(Branch Chief 6SF-R)

Signature: _____ Date: _____